



# Architectural Technology and Design

(Secondary Practical Challenge)



**April 11, 2013**



# Skills Canada – Manitoba

## Architectural Technology and Design (Secondary)

### ASSIGNMENT – TIME ALLOTTED 4 HOURS

1. Provide a **detached secondary suite** on the north end of the property (also known as a granny suite) using the design specifications below. The suite will be used by one elderly parent.
2. The home owners want the north elevation of the detached secondary suite to reflect the design of the main house south elevation.
3. The detached secondary suite side yard setback must be a minimum of 5 feet.

### DESIGN SPECIFICATIONS:

**Definition** of a detached secondary suite: “a separate small building on a property, for elderly people to live, that provides basic requirements for **living, sleeping, cooking and sanitation**.”

The following **specifications and guidelines** apply to detached secondary suites:

1. The minimum site area shall be not less than 3,500 sq. ft.
2. The maximum height of the suite shall be no greater than 15 ft.
3. No secondary suite can be smaller than 350 square feet or greater than 600 square feet.
4. The suite must be separated from the principal dwelling by a minimum of 10 ft.
5. The minimum side yard setback shall be the same as for the principal dwelling.
6. The minimum rear yard setback shall be 5 feet.
7. Lots containing secondary suites must contain a minimum of 2 off-street parking spaces.
8. No roof decks are allowed above the living area of the secondary suite.
9. A site plan shall include: the location of the proposed sewer and water connections, the location of the proposed secondary suite, patios, fencing, and parking.
10. Lots containing secondary suites must have at least two off-street parking spaces.

## **DRAWINGS PROVIDED**

1. South elevation of the existing house.
2. Secondary Suite Foundation Detail.
3. Site plan, showing the existing house, where the secondary suite will be built.

## **DRAWINGS REQUIRED:**

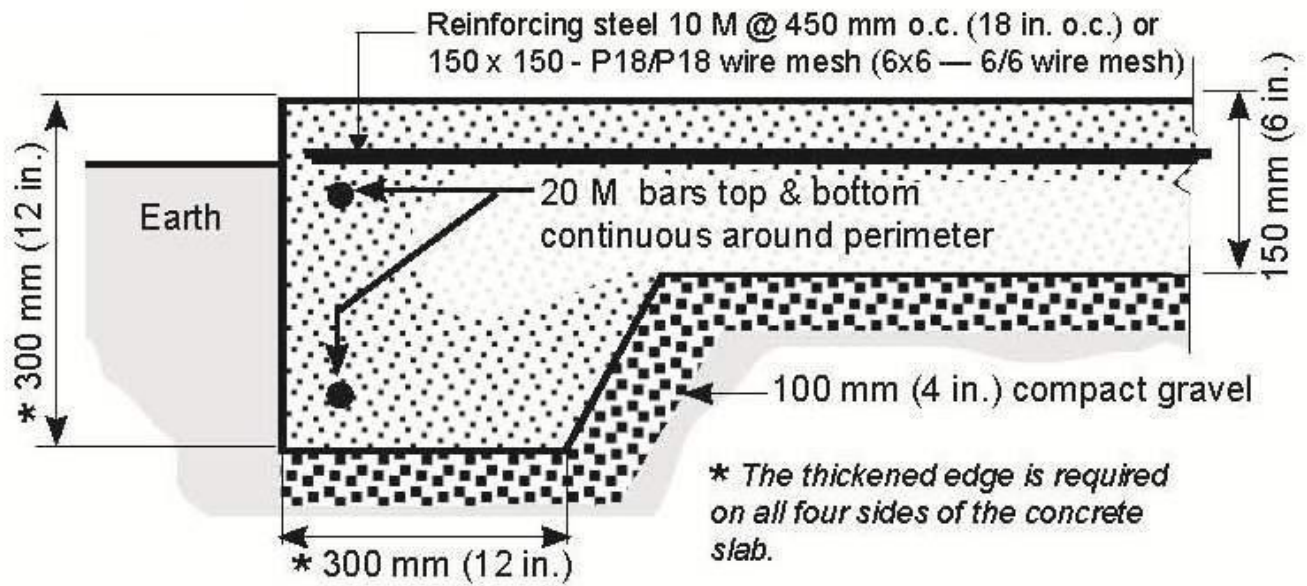
Two drawings will be required:

1. A **dimensioned floor plan** (working format) plotted at an appropriate scale.
2. A **dimensioned north elevation** of the new detached secondary suite (working format) plotted at an appropriate scale.

## **PLOTTING INFORMATION:**

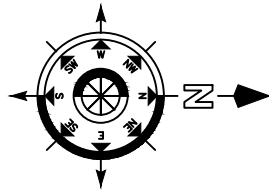
1. The scale of each drawing is the designer's choice.
2. Plot on **17" x 11"** (B size, tabloid) sheets; each drawing will be plotted on separate sheets.
3. Refer to the "Drawing Format Specifications" sheet for border and title block information. Use your **competitor number**, not your name, on each plotted sheet.
4. All drawings will be plotted black and white (monochrome).

## SECONDARY SUITE FOUNDATION DETAIL

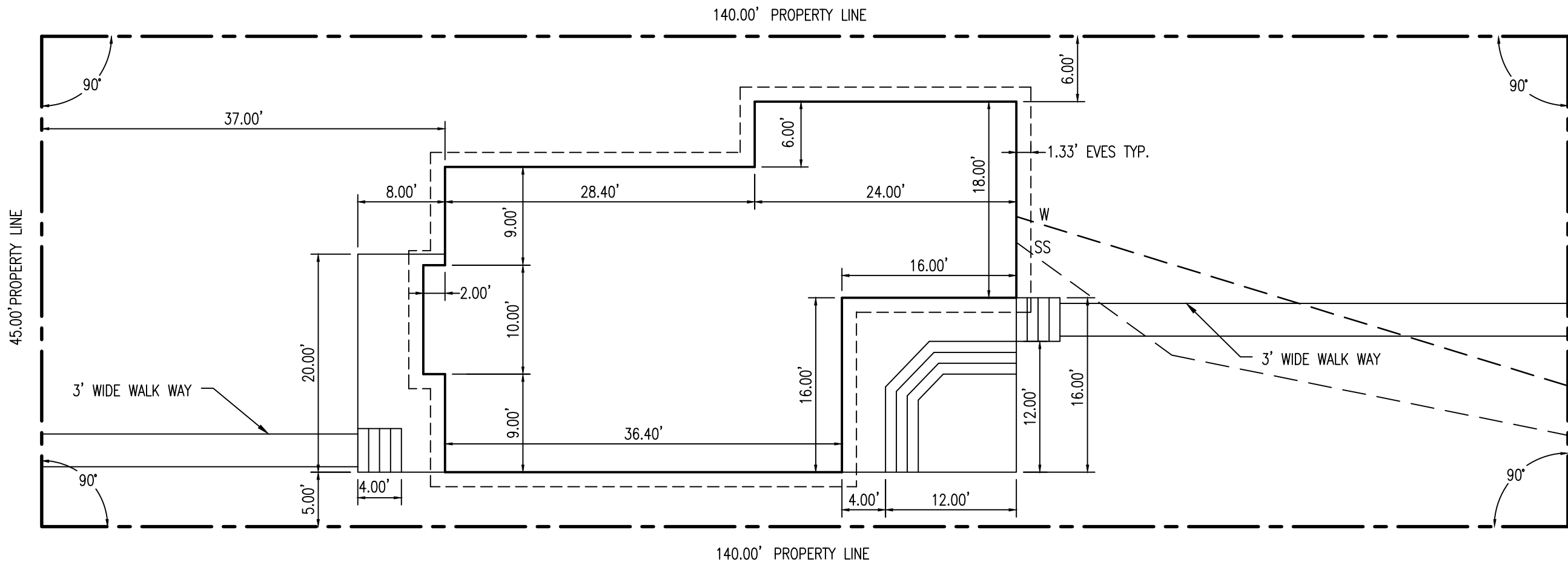




SOUTH ELEVATION



APPLEFRITTER ROAD



CHERRYBLOSSOM LANE

#5 APPLEFRITTER ROAD  
 LOT 3, BLOCK 1, PLAN 1948 WLTO IN SECTION 11-17-4 EPM.

LEGEND	
SANITARY SEWER (SS)	-----
OVERHEAD ELECTRICAL (OE)	=====
WATER MAIN (W)	-----
GAS LINE	— GAS — GAS —

# DRAWING FORMAT SPECIFICATIONS:

## SHEET SIZE:

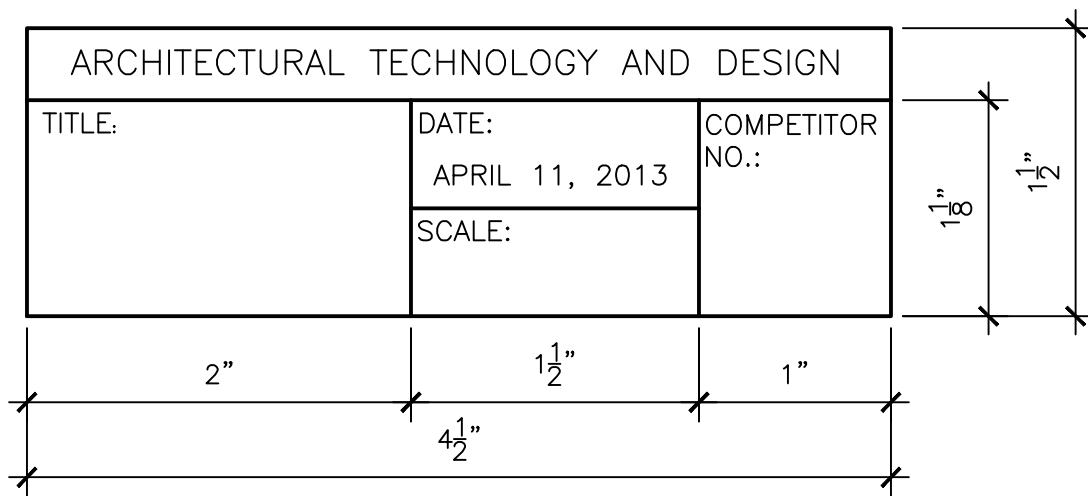
- "B" Size (tabloid) paper (17 x 11)

## BORDER:

- $\frac{1}{2}$ " in on all four side (plotted sizes)

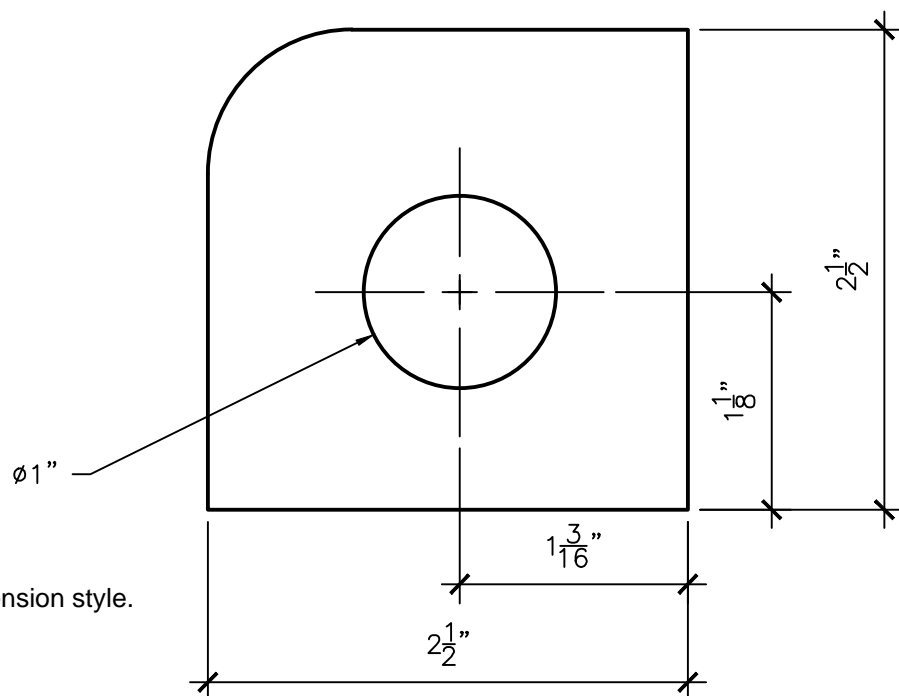
## TITLEBLOCK:

- Use the drawing below to create your title blocks.
- Use your **competition number, not your name**.



## TEXT HEIGHT:

- NOTES: 0.1" Plotted Height.
- TITLES: 0.2" Plotted Height.



## DIMENSION STYLE:

- See sketch for example of dimension style.
- Dimension text height is 0.1"
- Font is Romans.shx.